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(71) Applicant: **NARUMI CHINA CORPORATION**  
**3, Aza-Denjiyama Narumicho Midori-ku**  
**Nagoya-shi Aichi(JP)**

(72) Inventor: **Kuratani, Shusei 43-6,**  
**Aza-Ozakiyama**  
**Narumicho Midori-ku**  
**Nagoya-shi Aichi(JP)**  
Inventor: **Uno, Kohichi**  
**207, Nonami 4-chome Tenpaku-ku**  
**Nagoya-shi Aichi(JP)**  
Inventor: **Mizuno, Shinya**  
**1762, Sonocho**  
**Seto-shi Aichi(JP)**  
Inventor: **Sakuramoto, Hisashi 27,**  
**Aza-Akatsuka**  
**Narumicho Midori-ku**  
**Nagoya-shi Aichi(JP)**  
Inventor: **Nishiyama, Satoshi 27,**  
**Aza-Akatsuka**  
**Narumicho Midori-ku**  
**Nagoya-shi Aichi(JP)**

(74) Representative: **Dipl.-Ing. Schwabe, Dr. Dr.**  
**Sandmair, Dr. Marx**  
**Stuntzstrasse 16**  
**D-8000 München 80(DE)**

(54) **Black sintered body of aluminum nitride and process for producing the same.**

**EP 0 267 623 A3**

(57) Black sintered bodies of aluminum nitride are produced by adding a sintering aid selected from the group consisting of (a) an oxide mixture of calcium oxide and at least one of tungsten oxide and molybdenum oxide, (b) an oxide containing calcium and at least one of tungsten and molybdenum and (c) a mixture of compounds capable of being converted into said oxide mixture (a) or said oxide (b) by sintering to aluminum nitride so that the resulting composition consists essentially of 0.1 to 20 wt.% in the total amount (calculated as oxides of Ca, W and Mo) of the sintering aid and balance aluminum

nitride, molding the composition and sintering the molded composition at relatively low temperature. The black sintered bodies thus obtained are especially useful as materials for insulating substrate, heat sink, packaging for semiconductor device due to their high density, good thermal conductivity and superior light-shielding ability.



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## EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X, P	EP-A-0 212 659 (TOSHIBA TUNGALOY CO., LTD) * Claims 6-10 * -----	1-10	C 04 B 35/58
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			C 04 B 35/00
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 05-09-1989	Examiner HAUCK, H. N.
<b>CATEGORY OF CITED DOCUMENTS</b> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document			